

Title (en)  
DIHYDRO AND HEXAHYDRO ISOALPHA ACIDS HAVING A HIGH RATIO OF TRANS TO CIS ISOMERS, PRODUCTION THEREOF, AND PRODUCTS CONTAINING THE SAME

Title (de)  
DIHYDRO- UND HEXAHYDRO-ISOALPHASÄUREN MIT EINEM HOHEN VERHÄLTNIS TRANS- ZU CIS-ISOMEREN, VERFAHREN ZU DEREN HERSTELLUNG UND DIESE ENTHALTENDE PRODUKTE

Title (fr)  
ACIDES DIHYDRO ET HEXAHYDRO ISOALPHA AVEC UN RAPPORT ELEVE D'ISOMERE TRANS PAR RAPPORT AU CIS, LEUR PRODUCTION ET PRODUITS LES CONTENANT

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Application  
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Abstract (en)  
[origin: WO0162697A1] This invention describes heretofore unknown forms of dihydro (DHIA) and hexahydro (HHIA) isoalpha acids having a high ratio of trans to cis isomers and a process for their production. Also, non-precipitating clear 5, 10, 20 % and higher aqueous solutions thereof, since they are soluble at room temperature in soft water. This is due to the high ratio of trans to cis isomers. Unlike prior art essentially all cis isomer products, they remain haze free both at a neutral pH in water and at 1 % to 2 % and higher concentrations. This invention has the advantage over the prior art in that DHIA and HHIA can be provided as stable, non-separating liquids, at practical concentrations in the range of 5 % to about 40 %, which do not require heating to about 50 DEG to 90 DEG C and above with stirring to effect dissolution of precipitates. The high trans products described herein can be admixed with isoalpha- and tetrahydro-isoalpha acids.

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